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A coated optical fiber, preferably a GGP optical fiber includes an optical fiber core, and a silica cladding over the optical fiber core, to provide a silica clad core. A permanent polymeric coating forms on the silica cladding during ultraviolet radiation of a photocurable composition containing a non-hydrolyzable photoinitiator. The coated optical fiber has a diameter from about 120 microns to about 160 microns and a relative frequency distribution of at least about 85% for dynamic fatigue measurements between about 49.2 x 10³ kg/cm² (700kpsi) and about 63.3 x 10³ kg/cm² (900kpsi).